

# METROLOGY LABORATORY SERVICES

## PRICE LIST (ESTIMATED) FOR CALIBRATION SERVICES

**BASED ON:** Current billing rate of \$75.00/hour; (minimum billing one hour); submitted items must be prepared for testing (See Note 1); test(s) conducted at State Laboratory (See Note 2); prices available upon request.

ITEM DESCRIPTION: TYPICAL EXAMPLES	ESTIMATED \$
<b><u>MASS</u></b>	
Weight Standards - NIST Handbook 105-1, F Class or ASTM Class 4, 5, 6, or 7: Tolerance tested unless noted	
2500 lb (4 weights)	150.00
Each additional weight or each adjusted weight	37.50
1000 lb or 500 lb (10 weights)	375.00
Each additional weight or each adjusted weight	37.50
50 to 3 lb (10 weights)	112.50
Each additional weight or each adjusted weight	12.50
Weight kits - 2lb to 1/16 oz & 0.3 lb to 0.001 lb Weight kits up to 35 pieces	150.00
Each additional weight or each adjusted weight	6.00
<b><u>VOLUME</u></b>	
Metal petroleum measures - NIST Handbook 105-3: Tolerance tested unless noted	
1 to 5 gallon	75.00
Each additional measure	37.50
Metal petroleum provers - NIST Handbook 105-3:	
<u>Gallons</u>	
5	75.00
10	81.00
20	94.00
50	206.00
100	219.00
Each additional 100 gallon up to 1500	44.00

**VOLUME (Continued)**

Liquefied Petroleum Gas (LPG) provers-NIST HB 105-4:

Gallons

20

300.00

100

450.00

Milk Tank Provers:

Gallons

25

112.00

50

206.00

100

219.00

Glass measuring flasks - NIST Handbook 105-2:

Tolerance testing - Gravimetric

1 gallon to 2 fluid ounces (1 glass measuring flask)

150.00

Each additional glass measuring flask

75.00

**OTHER MEASURING DEVICES**

Steel Tape Measure - Tolerance Testing

Up to Feet

12

75.00

50

112.00

100

150.00

Temperature measuring devices (liquid-in-glass,  
electronic, dial) **(3)** – NIST HB 105-6:

Tests are conducted at 4 points:

One reference ice point 32 °F (0 °C) and

three additional fixed points up to 48.89 °C

(120 °F).

Accuracy:  $>\pm 0.05\text{ }^{\circ}\text{C}$   $\leq \pm 0.20\text{ }^{\circ}\text{C}$ 

Fixed Points:

°F°C

32

0.00

(Ice Point Reference)

60

15.56

90

32.22

120

48.89

First 4 points

225.00

Each additional fixed point

37.50

**NOTES:**

- (1) Special preparation; billed at hourly rate of \$75.00.
- (2) For on-site testing, contact 916-229-3024 (Scheduling) to determine feasibility and cost estimate.
- (3) Thermometer calibrations conducted in December (must submit by November 30) of each year. For special requests, contact 916-229-3024 (Scheduling) to determine feasibility and cost estimate.